# DUAL MASKING ELECTROL®

**Automatic Electric Projection Screen Model**

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## SPECIFICATION DATA

**SUGGESTED SPECIFICATIONS:** _____ projection screen(s), _____ (H) x _____ (W), electrically operated 120 volt (60 Hz) not more than 4.8 amp. Shall have two specially designed motors mounted inside two rollers, to be three wire with ground quick reversal type, oiled for life, with automatic thermal overload cutout, integral gears, capacitor and an electric brake to prevent coasting. To have pre-set limit switches to automatically stop picture surfaces in the "up" and "down" positions. The two rollers to be of rigid metal. Screen fabric to be flame retardant and mildew resistant fiberglass with black masking borders standard. To have masking fabric on sides to convert the screen to different aspect ratios. Bottom of fabric shall be formed into a pocket holding a metal rod. The ends of the rod shall be protected by heavy duty plastic caps. Bottom of each masking fabric shall be formed into a pocket holding a flat steel bar. Case to be of wood and to be finished with a black primer coat, ready to accept final finish by others. To be complete with a three position control switch and a two position control switch in a two gang box with cover plate. Screen to be listed by Underwriters' Laboratories.

**Matte White and High Contrast Matte White:** Seamless in all standard sizes.

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**HDTV TO NTSC VIDEO FORMAT DIMENSIONS**

| HDTV Format Viewing Area | | HDTV Nominal Diagonal | | NTSC Video Viewing Area (By masking) | | NTSC Video Nominal Diagonal | | * Overall Length of Case | | Approx. Ship. Wt. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| H x W | Cm | In. | Cm | H x W | Cm | In. | Cm | In. | Cm | Lbs. | Kg |
| 45" x 80" | 114 x 203 | 92" | 234 | 45" x 60" | 114 x 152 | 75" | 191 | 97½" | 248 | 100 | 45.4 |
| 50" x 89" | 127 x 226 | 102" | 259 | 50" x 67" | 127 x 170 | 84" | 213 | 106½" | 271 | 110 | 49.9 |
| 54" x 96" | 137 x 244 | 110" | 279 | 54" x 72" | 137 x 183 | 90" | 229 | 113½" | 288 | 120 | 54.4 |
| 60" x 107" | 152 x 272 | 122" | 310 | 60" x 80" | 152 x 203 | 100" | 254 | 124½" | 316 | 132 | 59.9 |
| 69" x 123" | 175 x 312 | 141" | 358 | 69" x 92" | 175 x 234 | 120" | 305 | 140½" | 357 | 148 | 67.1 |
| 87" x 155" | 221 x 394 | 177" | 450 | 87" x 116" | 221 x 295 | 150" | 381 | 172½" | 438 | 170 | 77.1 |

**LETTERBOX TO NTSC VIDEO FORMAT DIMENSIONS**

| Letterbox Format Viewing Area | | Letterbox Nominal Diagonal | | NTSC Video Viewing Area (By masking) | | NTSC Video Nominal Diagonal | | * Overall Length of Case | | Approx. Ship. Wt. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| H x W | Cm | In. | Cm | H x W | Cm | In. | Cm | In. | Cm | Lbs. | Kg |
| 50" x 92½" | 127 x 235 | 105" | 267 | 50" x 67" | 127 x 170 | 84" | 213 | 110" | 279 | 122 | 55.3 |
| 60" x 111" | 152 x 282 | 126" | 320 | 60" x 80" | 152 x 203 | 100" | 254 | 128½" | 326 | 145 | 65.8 |
| 69" x 128" | 175 x 325 | 145" | 368 | 69" x 92" | 175 x 234 | 120" | 305 | 145½" | 370 | 162 | 73.5 |
| 87" x 161" | 221 x 409 | 183" | 465 | 87" x 116" | 221 x 295 | 150" | 381 | 178½" | 453 | 186 | 84.4 |

**CINEMASCOPE TO HDTV FORMAT DIMENSIONS**

| Cinemascope Format Viewing Area | | Cinemascope Nominal Diagonal | | HDTV Viewing Area (By masking) | | HDTV Nominal Diagonal | | * Overall Length of Case | | Approx. Ship. Wt. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| H x W | Cm | In. | Cm | H x W | Cm | In. | Cm | In. | Cm | Lbs. | Kg |
| 45" x 106" | 114 x 269 | 115" | 292 | 45" x 80" | 114 x 203 | 92" | 234 | 123½" | 314 | 130 | 59.0 |
| 49" x 115" | 124 x 292 | 125" | 318 | 49" x 87" | 124 x 221 | 100" | 254 | 132½" | 337 | 140 | 63.5 |
| 52" x 122" | 132 x 310 | 133" | 338 | 52" x 92" | 132 x 234 | 106" | 269 | 139½" | 354 | 148 | 67.1 |
| 54" x 126" | 137 x 320 | 138" | 351 | 54" x 96" | 137 x 244 | 110" | 279 | 143½" | 364 | 155 | 70.3 |
| 58" x 136" | 147 x 345 | 148" | 376 | 58" x 104" | 147 x 345 | 119" | 302 | 153½" | 390 | 162 | 73.5 |
| 65" x 153" | 165 x 389 | 166" | 422 | 65" x 116" | 165 x 295 | 133" | 338 | 170½" | 433 | 170 | 77.1 |

All screen sizes listed are viewing areas.
*Add 3" (76mm) to overall length of case for mounting brackets.
Overall case length dimensions ±¼" (6mm).
Detail dimensional drawings, wiring diagrams and installation instructions available upon request.
Specifications subject to change without notice.
Custom formats and sizes available upon request.
All sizes come standard with 12" (305mm) total black drop at top.

**WHEN ORDERING, MARK APPROPRIATE SELECTIONS:**
**Select size from charts above.**
**Viewing surface:**

☐ Matte White ☐ High Contrast Matte White

GREENGUARD® and GREENGUARD® Children and Schools Certified.

**Options:**

- ❑ Extra Drop available to lower picture area more than normal. Specify total drop at top _____ (black or white) or at bottom _____ (black or white) . 13' maximum total surface height including picture area.
- ❑ Dual Motor Low Voltage Control System (DMC).
- ❑ Wireless Remote Control for DMC.
  - ❑ Radio Frequency Remote.
    - ❑ Radio Frequency Range Extender available
  - ❑ Infrared Remote.
- ❑ 220 Volt (50 Hz) Motor.
- ❑ White box (black standard).
- ❑ Silent Motor.

Project: _____

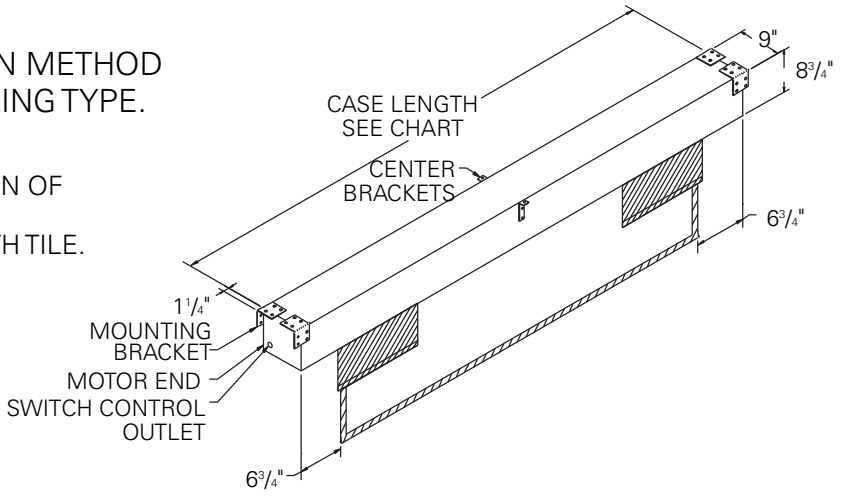
_____

Architect: _____
Phone: _____
Contractor: _____
Phone: _____
Supervisor: _____
Phone: _____
Date: _____
Revised: _____

# DUAL MASKING ELECTROL®
## SUGGESTED METHODS OF INSTALLATION

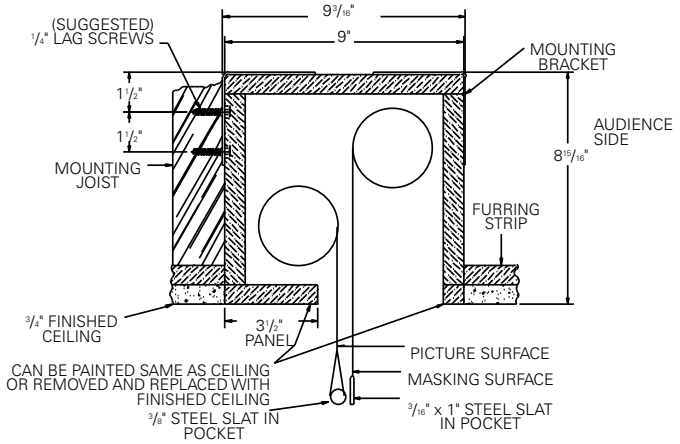
SELECT INSTALLATION METHOD ACCORDING TO CEILING TYPE.

NOTE:
MUST MARK HOLE LOCATION OF SCREWS IN 3½" PANEL FOR REMOVAL, IF COVERING WITH TILE.



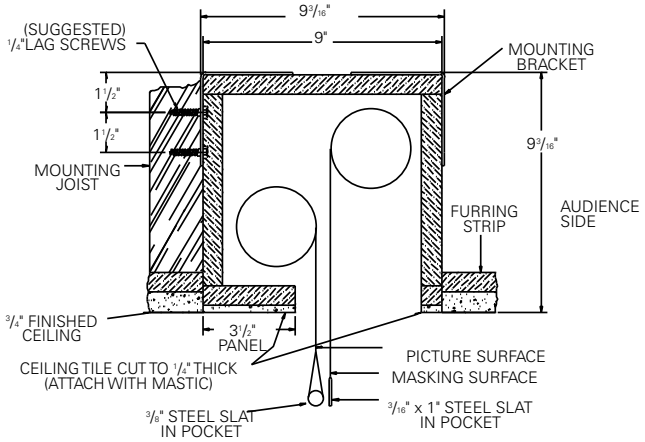

**NOTE:** Drawings below show picture surface and masks in the down position. Masks will be on front side of roller when retracted.

### METHOD A



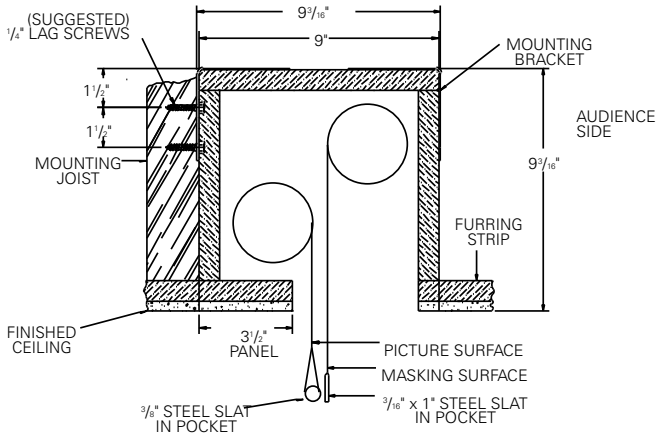

Offset mounting, recessed above ceiling. For plaster, dry wall, tile or paneling. Bottom of case painted same finish as ceiling.

### METHOD B



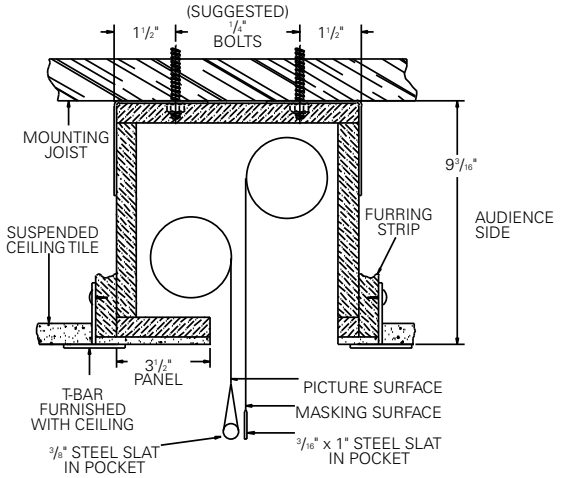

Offset mounting, recessed above ceiling. May be adapted for 3/4" ceiling, but cut to 1/4" thick under screen case and panel.

### METHOD C




Offset mounting, recessed above ceiling. May be adapted for 1/4" paneling for ceiling.

### METHOD D




Flush mounting, recessed above ceiling. For use with dropped ceiling. May also be adapted for use with acoustical or other ceiling 3/4" thick but cut to 1/4" thick under screen case and panel.